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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: RNA AMIDATES AND THIOAMIDATES FOR RNAI

(57) Abstract: The present disclosure relates to RNA amidates and thioamidates useful for RNA interference applications. The RNA amidates and thioamidates contain at least one internucleoside linkage chosen from ribo-N3'-P5' phosphoramidate (NP) and ribo-N3'-P5' thiophosphoramidate (NPS) linkages, and optionally further containing at least one covalently conjugated lipid moiety. Compositions comprising the amidates and thioamidates are disclosed, as are methods for their use in modulating gene expression.

## INTERNATIONAL SEARCH REPORT

International Application No PCT/US2004/032780

A. CLASSI	FICATION OF SUBJECT NATTER				
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Electronic data base consulted during the international search (name of data base and, where practical, search terms used)					
EPO-Internal, WPI Data, BEILSTEIN Data					
}					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category •	Citation of document, with indication, where appropriate, of the re-	elevant passages	Relevant to claim No		
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<b> </b>	properties of RNA analogs - oligoribonucleotides N3' - p5'		23,39, 43-45		
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<u>.</u>	PRESS, SURREY, GB, vol. 27, no. 20, 1999, pages 397	6-3985			
	XP002955971	0 3303,			
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Further documents are listed in the continuation of box C		r arem rammy members are listed in annex			
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*A* document defining the general state of the art which is not considered to be of particular relevance		cited to understand the principle or the			
AFE makes described and the section of the international		"X" document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to			
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citation or other special reason (as specified) cannot be considered to involve an inventive step when the			ventive step whon the		
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(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT	
category. Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
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INTERNATIONAL SEARCH REPORT

International application No. PCT/US2004/032780

Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)				
This International Search Report has not been established in respect of certain daims under Article 17(2)(a) for the following reasons:				
1. X Claims Nos.: 11-18, 39-40 (with respect to IA) because they relate to subject matter not required to be searched by this Authority, namely:				
Although claims 11-18, 39-40 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound.				
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carned out, specifically:				
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).				
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)				
This International Searching Authority found multiple inventions in this international application, as follows:				
1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.				
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.				
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:				
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:				
Remark on Protest  The additional search fees were accompanied by the applicant's protest.				
No protest accompanied the payment of additional search fees.				